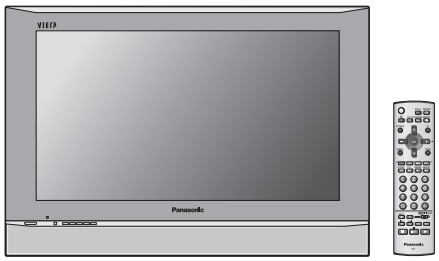

Panasonic®

Operating Instructions
Progressive Plasma Television

Model No. **TH-42PA50A**

The illustration shown is an image.
Pedestal stand shown above is optional extra.

Please read these instructions before operating your set and retain them for future reference.

English

TQBC2040-3

Welcome

Dear Panasonic Customer,
Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new Plasma TV.
To obtain maximum benefit from your set, please read these Instructions before making any adjustments, and retain them for future reference.
Retain your purchase receipt also, and note down the model number and serial number of your set in the space provided on the rear cover of these instructions.

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Important Safety Notice

WARNING

1) **To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.**
   Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)
   No naked flame sources, such as lighted candles, should be placed on / above the set.
2) To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
3) Do not remove the earthing pin on the power plug. This apparatus is equipped with a three pin earthing-type power plug. This plug will only fit an earthing-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician.
   Do not defeat the purpose of the earthing plug.

CAUTION

1) This appliance is intended for use in environments which are relatively free of electromagnetic fields.
   Using this appliance near sources of strong electromagnetic fields or where electrical noise may overlap with the input signals could cause the picture and sound to wobble or cause interference such as noise to appear.
   To avoid the possibility of harm to this appliance, keep it away from sources of strong electromagnetic fields.
2) If a static electricity discharge occurs inside the front cover, the screen may momentarily flicker. This is not a malfunction.
   The screen will return to normality in a short while.

To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.

Trademark Credits

- VGA is a trademark of International Business Machines Corporation.
- Macintosh is a registered trademark of Apple Computer, USA.
- S-VGA is a registered trademark of the Video Electronics Standard Association.

Even if no special notation has been made of company or product trademarks, these trademarks have been fully respected.

CAUTION:

Symptoms	Check
After-images appear	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. With no signal present, and without any user operation, the Panasonic screensaver will appear automatically after a few minutes to prevent image retention. **Note:** The permanent after-image on the Plasma TV resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.

Safety Precautions

WARNING

■ Setup

This Plasma TV is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury.

(All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

- Pedestal TY-ST42PX5W
- Display stand TY-S42PA50W
- Wall-hanging bracket (vertical)..... TY-WK42PV3W, TY-WK42PV2W
- Wall-hanging bracket (angle) TY-WK42PR2W

Always be sure to ask a qualified technician to carry out set-up.

Do not place the Plasma TV on sloped or unstable surfaces.

- The Plasma TV may fall off or tip over.

Do not place any objects on top of the Plasma TV.

- If water is spilt onto the Plasma TV or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Plasma TV, please consult your local Panasonic dealer.

Ventilation should not be impleded by covering the ventilation openings with items such as newspapers, table cloths and curtains.

For sufficient ventilation;
If using the pedestal (optional accessory), leave a space of at least 10 cm at the top, left and right, at least 6 cm at the bottom, and at least 7 cm at the rear. If using some other setting-up method, leave a space of at least 10 cm at the top, bottom, left and right, and at least 1.9 cm at the rear of the Plasma TV.

Electromagnetic interference may occur if electronic equipments are placed near each other.

- It will cause interference in image, sound, etc. In particular, keep video equipment away from this product.

Keep unneeded small parts and other objects out of the reach of small children. These objects can be accidentally swallowed. Also, be careful about packaging materials and plastic sheets.

■ When using the Plasma TV

The Plasma TV is designed to operate on 220 - 240 V AC, 50/60 Hz.

Do not cover the ventilation holes.

- Doing so may cause the Plasma TV to overheat, which can cause fire or damage to the Plasma TV.

Do not insert any foreign objects into the Plasma TV.

- Do not insert any metal or flammable objects into the ventilations holes or drop them onto the Plasma TV, as doing so can cause fire or electric shock.

Do not remove the cover or modify it in any way.

- High voltages which can cause severe electric shocks are present inside the Plasma TV. For any inspection, adjustment and repair work, please contact your local Panasonic dealer.

Ensure that the mains plug is easily accessible.

Securely insert the power supply plug as far as it will go.

- If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket plate is loose, do not use them.

Do not handle the power supply plug with wet hands.

- Doing so may cause electric shocks.

Do not do anything that may damage the power cable. When disconnecting the power cable, pull on the plug body, not the cable.

- Do not damage the cable, make any modifications to it, place heavy objects on top of it, heat it, place it near any hot objects, twist it, bend it excessively or pull it. To do so may cause fire and electric shock. If the power cable is damaged, have it repaired at your local Panasonic dealer.

If the Plasma TV is not going to be used for any prolonged length of time, unplug the power supply plug from the wall outlet.

Safety Precautions

■ If problems occur during use

If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odour starts to come out from the Plasma TV, immediately unplug the power supply plug from the wall outlet.

- If you continue to use the Plasma TV in this condition, fire or electric shock could result. After checking that the smoke has stopped, contact your local Panasonic dealer so that the necessary repairs can be made. Repairing the Plasma TV yourself is extremely dangerous, and should never be attempted.

If water or foreign objects get inside the Plasma TV, if the Plasma TV is dropped, or if the cabinet becomes damages, disconnect the power supply plug immediately.

- A short circuit may occur, which could cause fire. Contact your local Panasonic dealer for any repairs that need to be made.

⚠ CAUTION

■ When using the Plasma TV

Do not bring your hands, face or objects close to the ventilation holes of the Plasma TV.

- Heated air comes out from the ventilation holes at the top of Plasma TV will be hot. Do not bring your hands or face, or objects which cannot withstand heat, close to this port, otherwise burns or deformation could result.

Be sure to disconnect all cables before moving the Plasma TV.

- If the Plasma TV is moved while some of the cables are still connected, the cables may become damaged, and fire or electric shock could result.

Disconnect the power supply plug from the wall socket as a safety precaution before carrying out any cleaning.

- Electric shocks can result if this is not done.

Clean the power cable regularly to prevent it becoming dusty.

- If dust built up on the power supply plug, the resultant humidity can damage the insulation, which could result in fire.
  Pull the power supply plug out from the wall outlet and wipe the mains lead with a dry cloth.

This Plasma TV radiates infrared rays, therefore it may affect other infrared communication equipment. Install your infrared sensor in a place away from direct or reflected light from your Plasma TV.

Maintenance

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, wipe with a soft, lint-free cloth which has been soaked in pure water or water to which a small amount of neutral detergent has been added, and then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects, otherwise the surface may become damaged. Furthermore, avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the surface may be adversely affected.

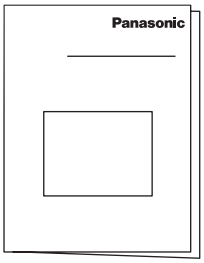
If the cabinet becomes dirty, wipe it with a soft, dry cloth.

- If the cabinet is particularly dirty, soak the cloth in water to which a small amount of neutral detergent has been added and then wring the cloth dry. Use this cloth to wipe the cabinet, and then wipe it dry with a dry cloth.
- Do not allow any detergent to come into direct contact with the surface of the Plasma TV.
  If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents and thinner, otherwise the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

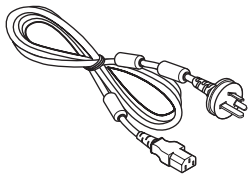
Accessories

Check that you have the accessories and items shown ☑

☐ Operating Instructions



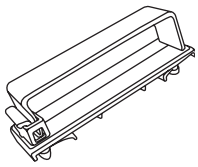
☐ Mains Lead



☐ Remote Control Transmitter (N2QAJB000154)

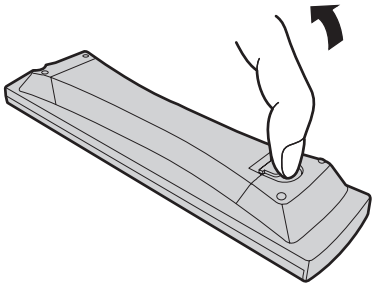
☐ Batteries for the Remote Control Transmitter (2 × R6 (AA) size)

☐ Clamper × 2

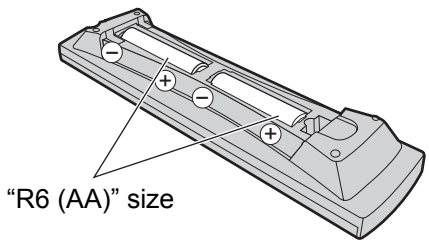


Fitting remote control batteries

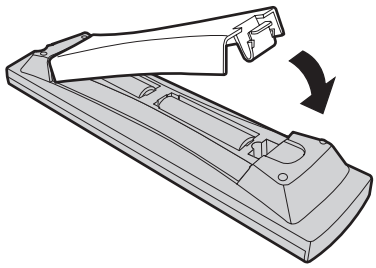
① ② ③



Pull and hold the hook, then open the battery cover.



Insert batteries - note correct polarity (+ and –).

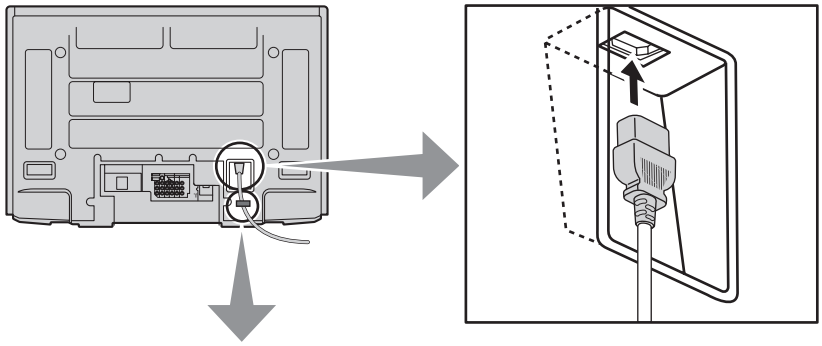


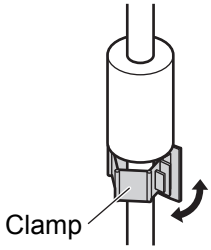
Replace the cover.

- Make sure that the batteries are fitted the correct way round.
- Do not mix old batteries with new batteries. Remove old, exhausted batteries immediately.
- Do not mix different battery types, i.e. Alkaline and Manganese.
- Do not use rechargeable (Ni-Cad) batteries.

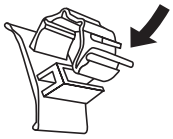
Cable binding instructions

Mains Lead



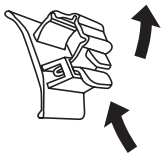


How to fix:



Fix by pushing in till a clicking sound is heard.

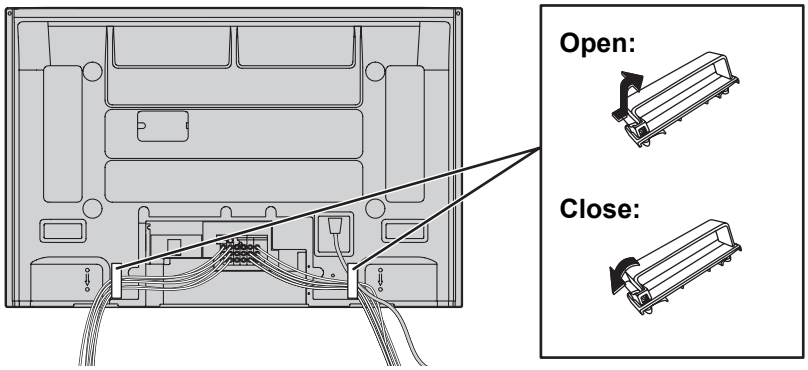
How to release:



Pull up while drawing the knob.

Clamper

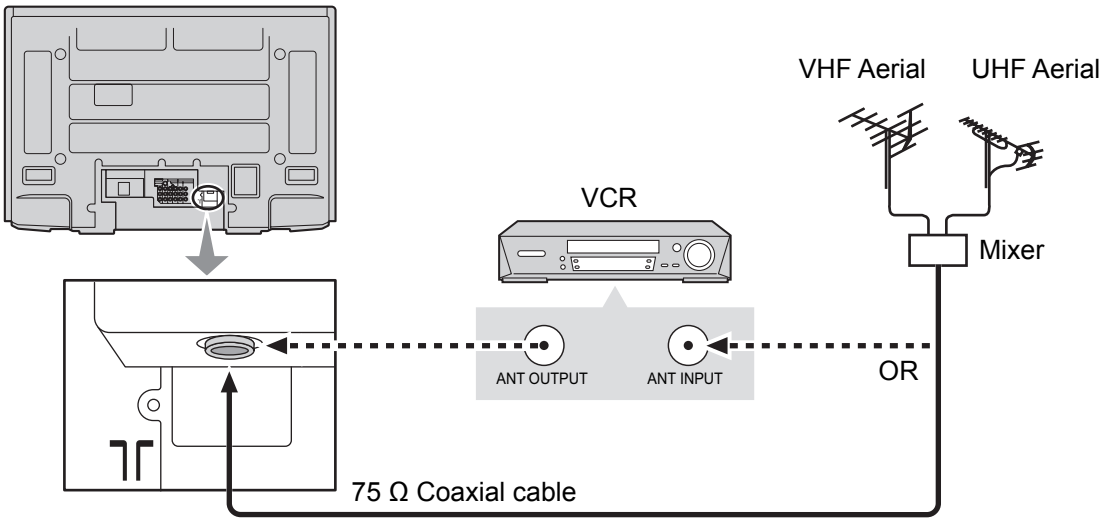
Bundle cables using the two clampers (left and right) fitted to the plasma TV.



Note:
To avoid interference appearing on the screen, do not bundle the RF cable and mains lead together.

Antenna connection

For proper reception of VHF / UHF channels, an external antenna is required. For best reception, an outdoor antenna is recommended.



Notes:

- Do not put the Coaxial cable close to the mains lead to avoid noise.
- Do not place the Coaxial cable under the TV.
- Additional equipment, cables and adapter plugs shown are not supplied with this TV set.
- To obtain optimum quality picture and sound, an Aerial, the correct cable (75 Ω coaxial) and the correct terminating plug are required.
- If a communal Aerial system is used, you may require the correct connection cable and plug between the wall Aerial socket and your TV.
- Your local Television Service Centre or Dealer may be able to assist you in obtaining the correct Aerial system for your particular area and the accessories required.
- Any matters regarding Aerial installation, upgrading of existing systems or accessories required, and the costs incurred, are the responsibility of you, the Customer.

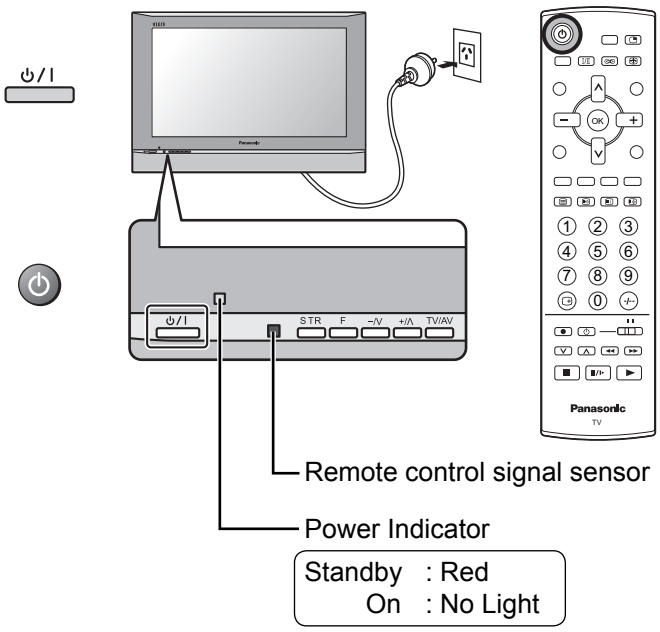
Power On / Off

Connect the mains plug to the wall socket.

Press the [⏻/I] switch on the TV set to turn the set on.
Owner ID setting screen is displayed. See page 20.

To switch the TV set to Standby mode, press the ⏻ button on the remote control.
The TV set can be switched on by pressing the ⏻ button again if it was in Standby mode.

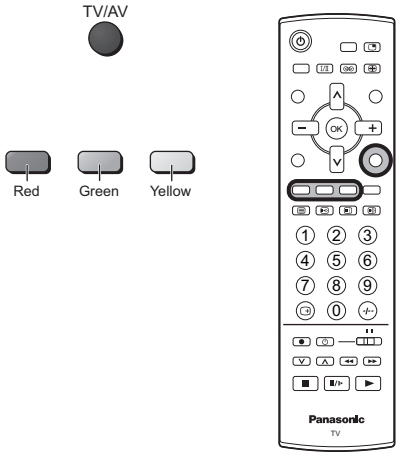
Note:
This TV will still consume some power as long as the mains plug is still inserted into the wall socket.



Audio / Video connections

It is possible to connect a variety of additional equipment to this TV. The following pages detail how to connect external equipment to the rear of the TV.
Once your equipment is connected, use the following procedure to view the input:

Press the **TV/AV** button.



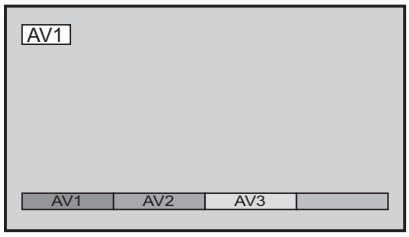
Whilst the on screen selector keys are displayed, press coloured buttons to select the AV source you wish to view.

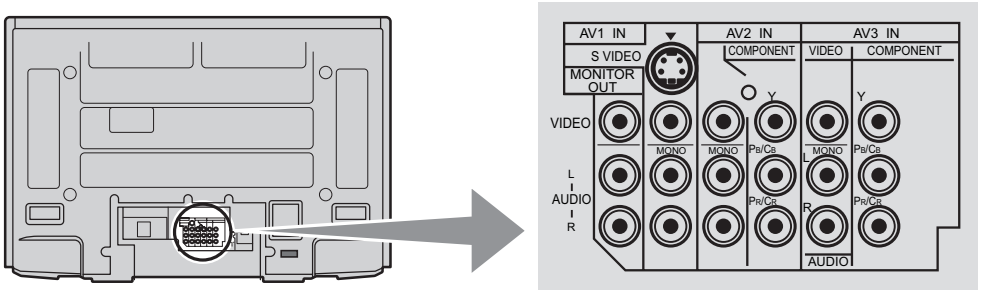
Red button : AV1 Audio, Video, S Video terminals
Green button : AV2 Audio, Video / Component terminals
Yellow button : AV3 Audio, Video / Component terminals

The on screen selector keys will disappear after a few seconds. If you want to select an input when the keys are not shown, press any one of the coloured buttons and the keys will reappear.

Notes:

- You can also select an AV source using the **TV/AV** button on the front panel of the TV.
  Press the **TV/AV** button repeatedly until you reach the AV source you wish to view.
- When a Monaural VCR is used, connect the Monaural Audio cable to the AUDIO L terminal.
- Additional equipment and cables shown are not supplied with this TV set.

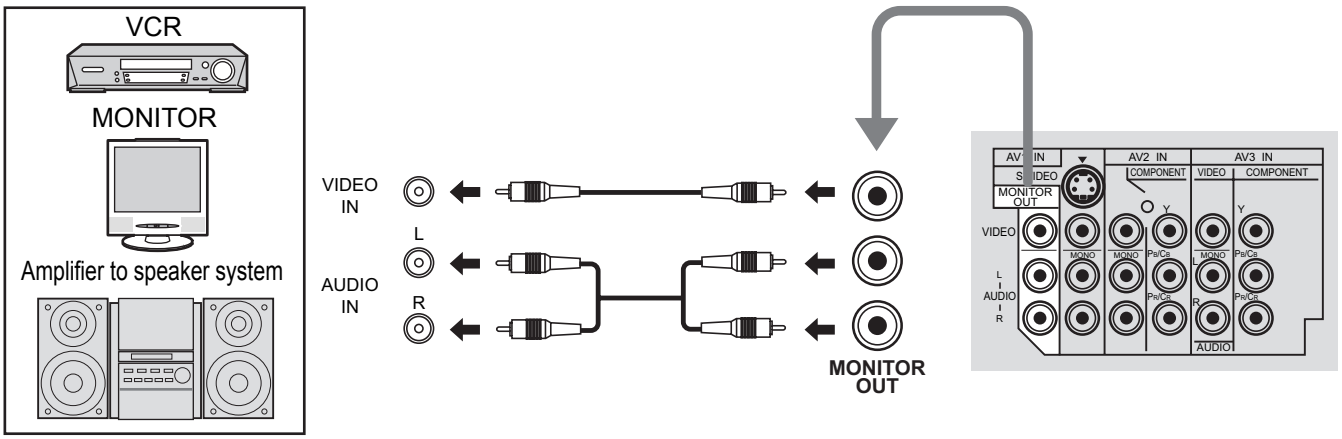




Audio / Video connections

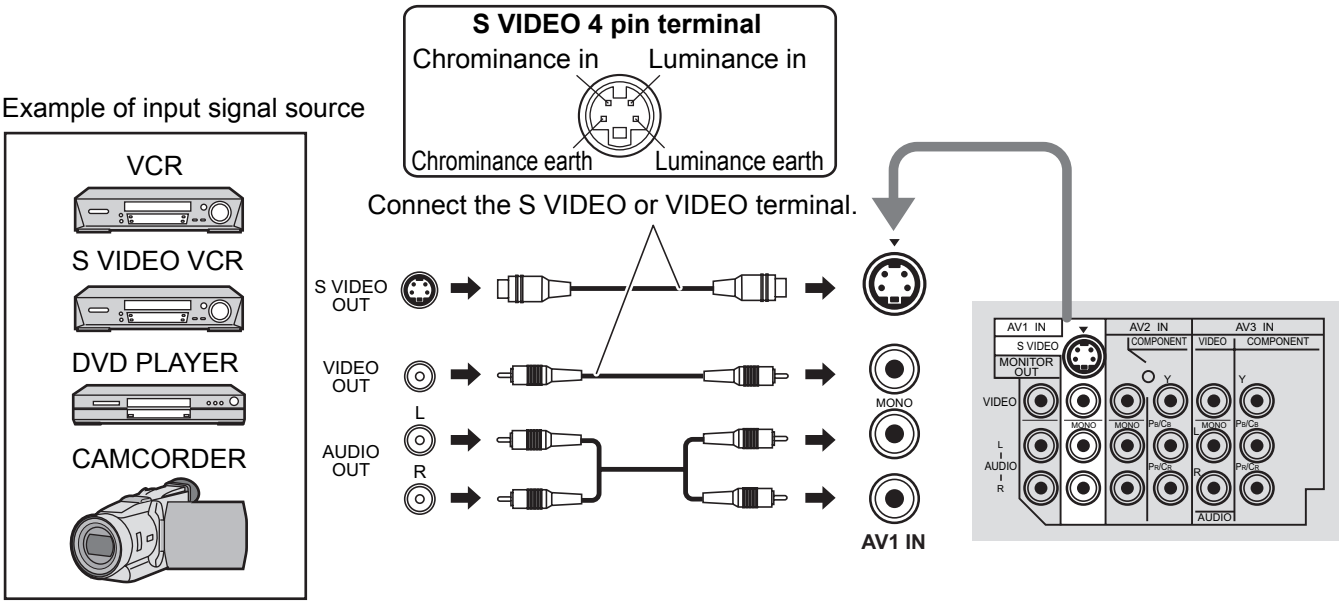
How to connect the Monitor Output terminals to other Equipment

Example of output signal source



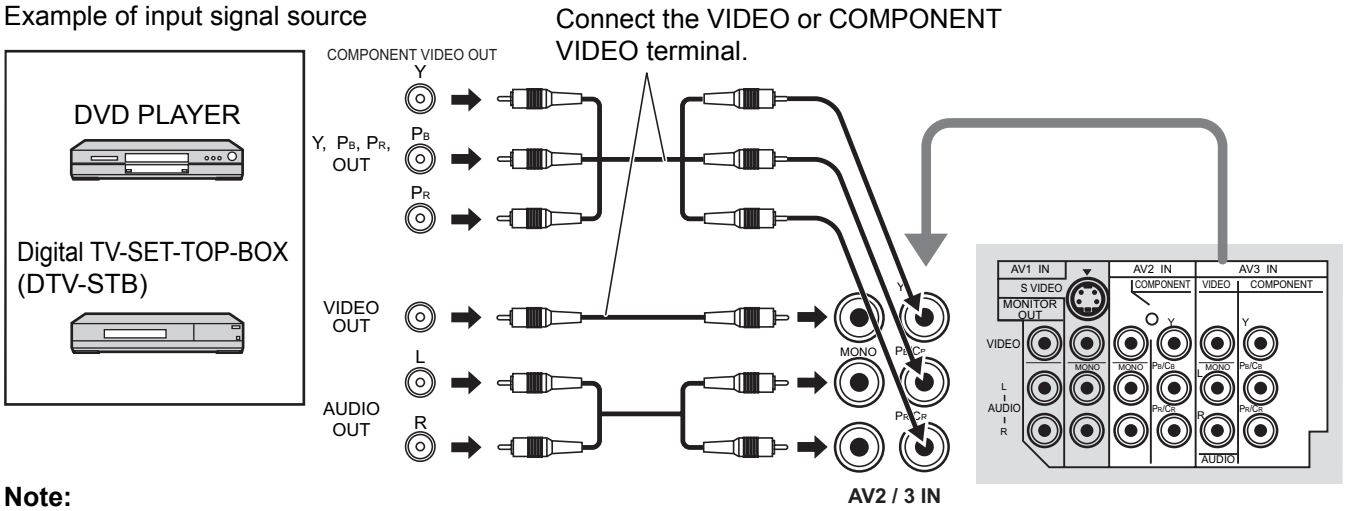
How to connect the AV1 S Video Input terminals

Example of input signal source



How to connect the AV2 / AV3 Component Input terminals

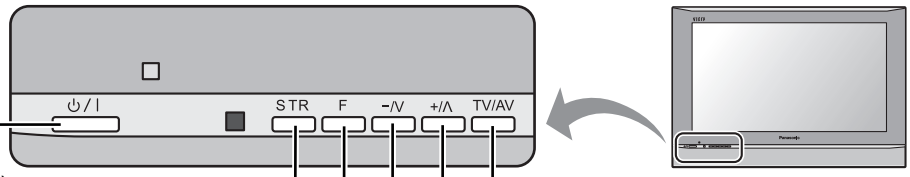
Example of input signal source



Note:

Component input terminals accept progressive or non-progressive signals format, as well as high definition 720p(50Hz), 720p(60Hz), 1080i(50Hz) and 1080i(60Hz).

Basic controls: front panel and remote control



On / **Off** switch

STR (Normalization store)
Used to store tuning and other function settings.

F (Function select)
Displays the On Screen Display functions, use repeatedly to select from the available functions - **Volume, Contrast, Brightness, Colour, Sharpness, NTSC-Tint (Tint), Bass, Treble, Balance** and **Tuning mode**.
Notes:
• NTSC-Tint : Receiving NTSC signals.
• Tint : Receiving YUV(60Hz) signals.
• Tuning mode : Not displayed during AV mode.

TV/AV button (see page 9)

Increases or decreases the programme position by one. When a function is already displayed, press to increase or decrease the selected function. When in **Standby** mode, switches TV **On**.

Standby On / Off
Switches TV **On** or **Off** (Standby mode).

Sound mute **On / Off**

Stereo / Bilingual Sound Selection (see page 26)

R-TUNE button
Press to switch to previously viewed channel or input mode.

Programme Number Selection
Press to select the next higher or lower Programme number.

MENU button
Press to access the **Picture, Sound** and **Setup** menus.
(see page 12, 17-19)

Coloured buttons used for the selection, navigation and operation of various functions.

Teletext button
(see page 23-25)

Text F.P. button
(see page 24)

Text Index
(see page 25)

Recall
Press to display the current system status, for example, Programme number, Channel number, Stereo mode, Aspect mode, Sound menu, Picture menu.

VCR / DVD buttons
(see page 27)

Picture Still (see page 25)

Multi Window (see page 22)

Aspect control button (see page 21)

Surround On / Off (see page 18)

N (Normalize) button
Resets all settings to their default levels.

Volume Adjustment
Press to increase or decrease the sound volume level.

Press to store settings in Tuning menu.

Switch between viewing TV or AV input. (see page 9)

Text Hold (see page 23)

Direct Programme Number
You can select the numbers directly by pressing Programme Number button and the two digit Numbers by pressing "Two Digit" and Programme Number buttons.

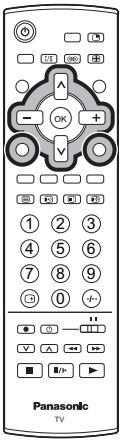
Programme Number 8 8

Programme Number 12.... -/--, 1, 2

Using the On Screen Displays

Many features available on this TV can be accessed via the On Screen Display menu system. Use the remote control as shown below to access and adjust features as desired.

The **MENU** button is used to open the main menus and also to return to the previous menu.



The up and down cursor buttons are used to move the cursor and select menus.

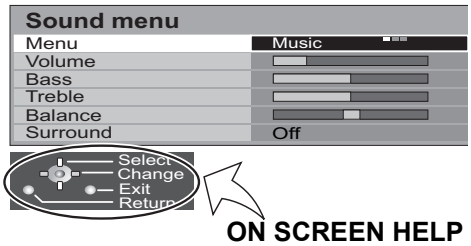
The left and right cursor buttons are used to access menus, adjust levels or to select from a range of options.

The **OK** button is used with a number of features to store settings after adjustments have been made or options have been set.

The **TV/AV** button is used to exit the menu system and return to the normal viewing screen.

An On Screen Help box is displayed whenever a menu is displayed on the TV. This Help box indicates which buttons on the remote control are used to navigate the menu shown, see above for descriptions of button functions.

Note:
The Help box is not shown in the menu pictures in this instruction book due to space limitations.

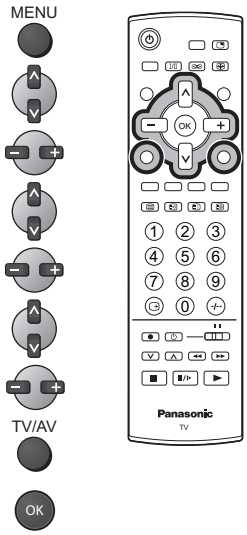


ON SCREEN HELP
'Instructions' box

Tuning

Tuning menu

During **TV mode**



Press the **MENU** button.

Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

Access **Tuning menu**.

Move to choose menu option.

Adjust chosen option or access chosen menu.

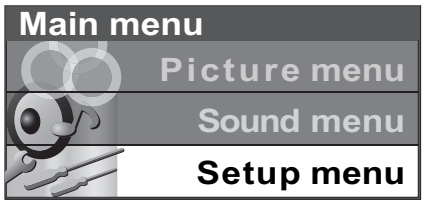
Press the **TV/AV** button at any time to go back to watching TV.

Pressing the **OK** button after having adjusted some features will store the setting as the default (replacing the factory setting).

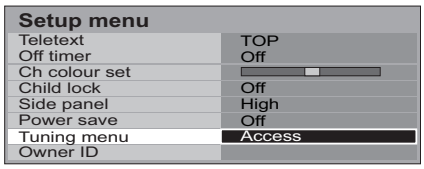
Sys select
(System Selection)

Select the system.
NZ/INDONES / Australia

SYS SELECT	REGION
NZ/INDONES	New Zealand, Indonesia, etc.
Australia	Australia

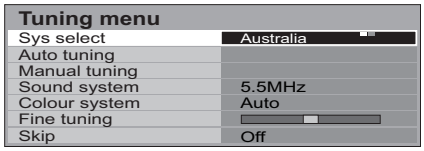


Auto tuning Allows you to automatically retune the TV. Useful if you move house and wish to retune your TV to the local stations. See page 14.



Manual tuning Allows individual programme positions to be tuned, manually. See page 15.

Sound system Allows you to change the sound system used for a programme channel.
Choose the required sound system:
5.5MHz / 6.5MHz



Colour system Lets you select the correct transmission standard for the transmission signal being received. See page 19.
Auto / PAL / NTSC 4.43 / NTSC 3.58

Fine tuning Use to make small adjustments to the tuning of an individual station (useful for example when weather conditions are affecting reception quality of a programme).
To cancel the Fine tuning, tune again by Manual tuning.

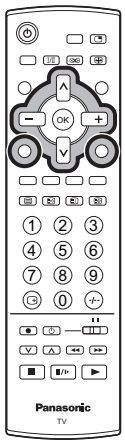
Skip It is possible to skip Programme Number on which no TV stations are tuned appearing on the screen. The function is only effective when pressing the Programme Number up or down button either on the TV set or on the remote control. Under the normal viewing, select the Programme Number you would like to skip. Then, access Tuning menu and set Skip to On.

Tuning

Auto tuning

Auto tuning automatically retunes your TV. This feature is useful if, e.g., you move house and wish to retune your TV to receive the local stations.

Press the **MENU** button.



Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

Access **Tuning menu**.

Move to choose **Auto tuning**.

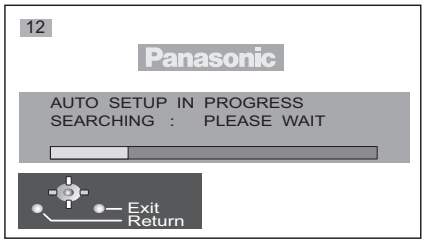
Notes:

- **If you proceed with the next step all tuning data will be erased** (all stations and their programme positions stored in your TV's memory will be wiped out so the new settings can be stored).
- If you exit the procedure after this point and before **Auto tuning** is complete, no station information will be stored. Restart and complete the Auto tuning procedure so that the TV is retuned.

Access **Auto tuning**.

The TV will search for, locate, store and then sort into order your local stations.

Once this operation is completed the TV will display the programme now stored on programme position 1.



Press the **TV/AV** button at any time to go back to watching TV (please read the **Notes** in the above procedure).

Auto tuning (via front panel)

It is also possible to use the control panel buttons on the front of the TV to tune individual programme positions:

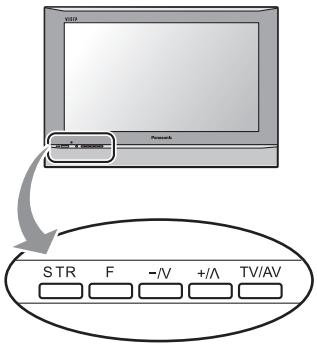
Press the **F** button until **Tuning mode** is reached.

Press the **–/∨** or **+/∧** button to access **Tuning mode**.

Press the **F** button until **Auto tuning** is reached.

Press the **–/∨** or **+/∧** button to start search.

Press the **TV/AV** button at any time to exit the Tuning menu.



Notes:

- If a clear picture with correct colours cannot be obtained when a Broadcast or AV signal is received, refer to the Colour system selection on page 13.
- After the Auto tuning is finished, press the Programme Number up button to confirm the tuning condition for each Programme Number. If some Programme Numbers are unused, it is possible to skip such Programme Numbers. Please refer to the Skip function on page 13.

Tuning

Manual tuning

It is possible to retune individual programme positions:

Press the **MENU** button.

Move to choose **Setup menu**.

Access **Setup menu**.

Move to choose **Tuning menu**.

Access **Tuning menu**.

Move to choose **Manual tuning**.

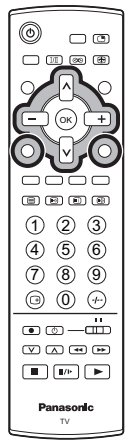
Access **Manual tuning**.

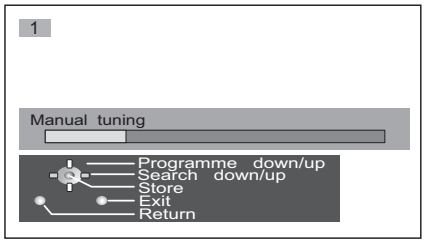
Select the programme position to be tuned.

Press repeatedly until required station is found.

When the desired station is found, press the **OK** button to store.
The programme position will flash.

Press the **TV/AV** button at any time to go back to watching TV.





Manual tuning (via front panel)

It is also possible to use the control panel buttons on the front of the TV to tune individual programme positions:

Press the **F** button until **Tuning mode** is reached.

Press the **–/∨** or **+/∧** button to access **Tuning mode**.

Press the **F** button until **Manual tuning** is reached.

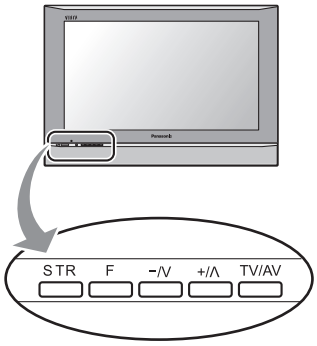
Press the **–/∨** or **+/∧** button to access **Manual tuning**.

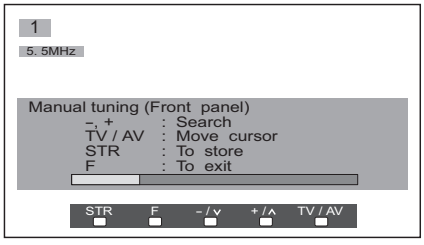
Press the **TV/AV** button to move between Change programme, Search and Change sound system.

Press the **–/∨** or **+/∧** button to change programme position or start search.

When the desired station is found, press the **STR** button to store.
The programme position will flash.
Repeat above procedure to tune additional programme positions.

Press the **F** button at any time to exit the Tuning menu.





Notes:

- If a clear picture cannot be obtained even when a Broadcast or AV signal is received, refer to the Colour system selection on page 13.
- After the Manual tuning is finished, press the Programme Number up button to confirm the tuning condition for each Programme Numbers. If some Programme Numbers are unused, it is possible to skip such Programme Numbers. Please refer to the Skip function on page 13.
- When using a VCR without video and audio input / output terminals, it is convenient to connect the aerial cable as indicated in the instruction manual of VCR and to set the designated channel to Programme No.“0”. In that case, perform Manual tuning after setting the Colour system and Sound system in advance. Further, in multi-system VCR, it is more convenient to set the designated channel to several Programme Numbers.

Channel Allocation

Sys select	NZ/INDONES	Australia
CH DISPLAY	RECEIVE CHANNEL	
0	–	–
1	1	0
2	2	1
3	≀	2
4	≀	3
5	≀	4
6	≀	5
7	≀	S2
≀	≀	≀
11	11	≀
12	–	≀
13	–	≀
14	–	≀
15	–	S10
16	–	6
≀	–	≀
19	–	9
20	–	9A
21	21	10
22	≀	11
23	≀	12
24	≀	S11
≀	≀	≀
28	≀	≀
≀	≀	≀
57	≀	S44
58	≀	20
59	≀	21
≀	≀	≀
62	62	≀
63	63	≀
≀	≀	≀
69	69	≀
70	–	≀
≀	–	≀
73	–	≀
74	S'1	≀
75	S'2	≀
76	S'3	≀
77	–	≀
78	–	≀
79	–	≀
80	S1	≀
81	S2	≀
≀	≀	≀
89	S10	≀
90	S11	≀
91	S12	≀
92	S13	≀
93	S14	≀
94	S15	≀
95	S16	≀
96	S17	≀
97	S18	≀
98	S19	≀
99	S20	≀
100	S21	≀
≀	≀	69
107	≀	–
≀	≀	–
117	≀	–
118	≀	–
≀	≀	–
120	S41	–
≀	–	–
125	–	–

Picture menu

Press the **MENU** button.

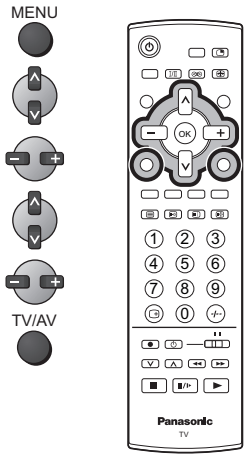
Move to choose **Picture menu**.

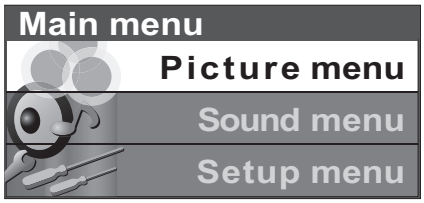
Access **Picture menu**.

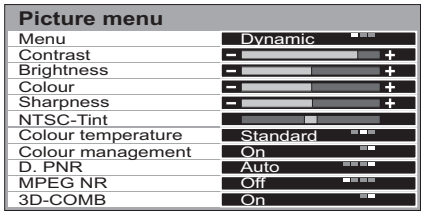
Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **TV/AV** button at any time to go back to watching TV.







Menu Menu mode will be memorized for each TV, AV1, AV2 and AV3 mode.
Dynamic / Standard / Cinema
You can change the level of each Item (Contrast, Brightness, Colour, Sharpness, NTSC-Tint, Colour temperature, Colour management, D.PNR, MPEG NR and 3D-COMB) for each Menu (Dynamic, Standard and Cinema) according to your personal preference.

Contrast, Brightness, Colour, Sharpness
Increase or decrease the levels of these options according to your personal preference.

NTSC-Tint (Tint) The picture hue can be adjusted to suit your taste.
Notes:
- When the TV is receiving NTSC signals, NTSC-Tint is displayed and level adjustment is possible.
- When the TV is receiving YUV (60Hz) signals, Tint is displayed and level adjustment is possible.

Colour temperature Allows you to set the overall colour tone of the picture.
Choose from Cool, Standard and Warm.

Colour management Enables vivid colour adjustment automatically.

D.PNR Reduces noise in a channel with many noises.
Off: Recommended mode when receiving a strong signal.
Strong: Applies strong noise reductions regardless of input signals.
Weak: Applies weak noise reductions regardless of input signals.
Auto: Automatically reduces unwanted picture noise.

MPEG NR Reduces MPEG noise.
Off / Strong / Mid / Weak
This function is effective in reducing the digital block noise when viewing DVD, VCD or digital broadcasting. The effect will be changed based on the scene and image.
MPEG: Compression technology of the image signal adopted by DVD, VCD or digital broadcasting.

3D-COMB Occasionally, whilst viewing still or slow moving pictures, colour patterning may be seen. Set 3D-COMB to On to display sharper and more accurate colours. Displayed only when receiving PAL or NTSC signals. Not displayed during S Video input and AV2 / AV3 Component input mode.

Note:
By pressing the **N** button on the remote control while the Picture menu is displayed, the selected menu will be changed to the Normal mode.
Normalization will not occur if the menu is not displayed when the **N** button is pressed.
The Normal mode is the factory preset condition. Returning to this original condition is called “Normalization”.

Sound menu

Press the **MENU** button.

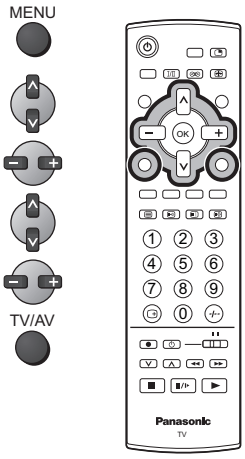
Move to choose **Sound menu**.

Access **Sound menu**.

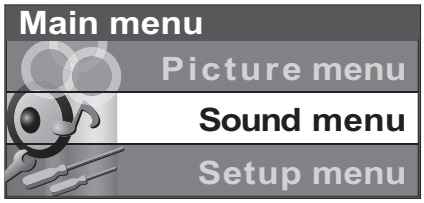
Move to choose menu option.

Adjust chosen option or access chosen menu.

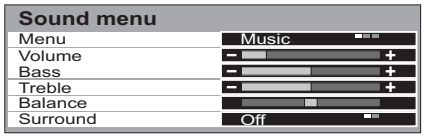
Press the **TV/AV** button at any time to go back to watching TV.



Menu Menu mode will be memorized for each TV, AV1, AV2 and AV3 mode.
Music / News / Cinema
You can change the level of each Item (Bass, Treble, Balance and Surround) for each Menu (Music, News and Cinema).



Volume Increase or decrease output volume.

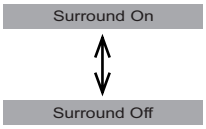


Bass Increase or decrease level to enhance or minimise lower, deeper sound output.

Treble Increase or decrease level to enhance or minimise sharper, higher sound output.

Balance The levels of sound between the left and right speakers can be adjusted to suit your listening position.

Surround To enjoy a concert hall effect, turn Surround to On.
Switching is also possible by pressing the **SURROUND** button.
The benefits of Surround sound are enormous.
You can be completely enveloped in sound; just as if you were at a concert hall or cinema.
The Surround effect can be obtained without the use of external Surround speakers.



Note:
By pressing the **N** button on the remote control while the Sound menu is displayed, the selected menu will be changed to the Normal mode.
Normalization will not occur if the menu is not displayed when the **N** button is pressed.
The Normal mode is the factory preset condition. Returning to this original condition is called “Normalization”.

Setup menu

Press the **MENU** button.

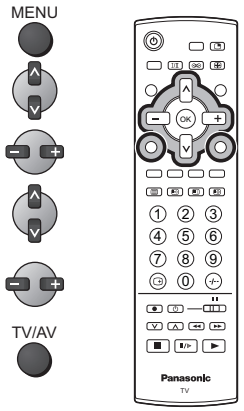
Move to choose **Setup menu**.

Access **Setup menu**.

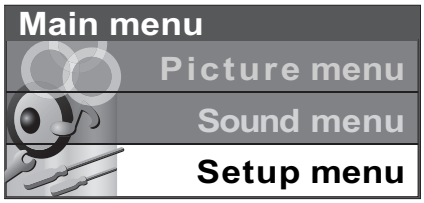
Move to choose menu option.

Adjust chosen option or access chosen menu.

Press the **TV/AV** button at any time to go back to watching TV.



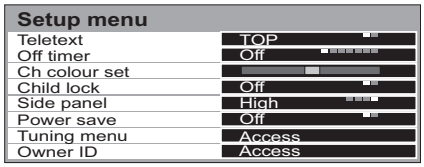
Teletext Allows you to choose 2 modes. See page 23.
TOP / List



Off timer Switches the TV off within a preset time which you can choose from between 0 to 90 minutes in 15 minute intervals.

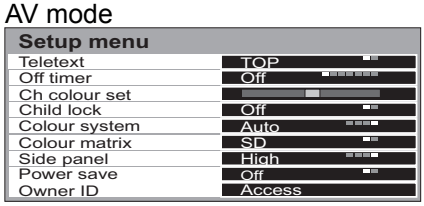
Ch colour set Colour density varying between broadcast channels can be adjusted to three levels for each reception channel.

Child lock When On, picture and sound of the TV/AV mode being viewed will disappear and a Black screen will appear.
Child lock can be set for each programme number and each AV mode.



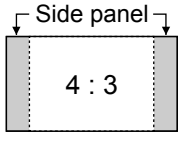
Colour system Displayed during **AV** mode. If a clear picture with current colours cannot be obtained when a Broadcast or AV signal is received, this function is used.
Auto / PAL / NTSC 4.43 / NTSC 3.58
PAL and NTSC 3.58 are different colour signal broadcast transmission systems applicable to differing countries. NTSC 4.43 is a trick playback mode used in special VCR's to playback NTSC recorded video tapes through PAL television equipment.

AV mode



Colour matrix Displayed during **AV** mode.
Available only with 480p or 576p input signals in a natural colour from digital equipment connected to AV2 / AV3 Component terminals.
Select SD or HD to adjust suitable colour parameters for SD (standard definition) or HD (high definition).
SD: When the input signal is a normal TV system (NTSC).
HD: When the input signal is a High-Definition system.

Side panel Allows you to choose from Off, Low, Mid and High.
Do not display a picture in 4:3, 14:9, Picture out of picture, Picture and picture, Picture and text modes for an extended period, as this can cause an after-image to remain on the side panels either side of the display field.
To prevent the appearance of such an after-image, illuminate the side panels.



Power save By reducing the brightness of picture, power consumption can be lowered.

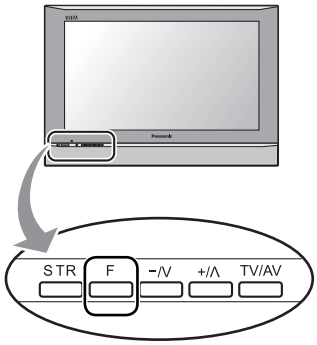
Tuning menu Provides access to many other features including Sys select and Auto tuning. See page 13.
Not displayed during AV mode.

Owner ID Allows you to enter a security code and address information. See page 20.

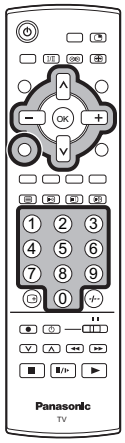
Owner ID

Owner ID allows you to enter a security code (Owner ID) and personal details into its memory, so that in the unfortunate event of theft it will help the Police to trace the owner.

If you wish to check the personal details already entered into the TV (except your PIN number), press the **F** button (Front panel) and hold for 6 seconds(initially the volume level function will appear, as you continue to hold down the **F** button it will disappear again, and the Owner ID information will appear). The details already entered are displayed on screen and will disappear after a few seconds.



If **Owner ID** information was not entered when you switched on your TV for the first time or it is necessary to alter some of the information, **Owner ID** can be re-accessed via the **Setup menu**.



Press the **MENU** button.

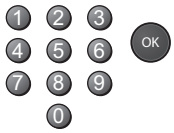
Move to choose **Setup menu**.

Access **Setup menu**.

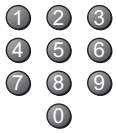
Move to choose **Owner ID**.

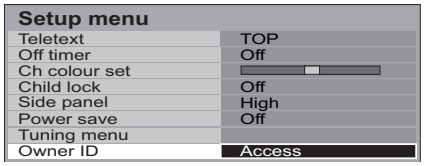
Access **Owner ID**.

If the **Owner ID** has previously been set, enter the **PIN NUMBER** (using 0 to 9 on the remote control) followed by the **OK** button to proceed, this will take you to the **NAME** option.



If no **Owner ID** has previously been set, enter the required 4 digit **Owner ID PIN NUMBER** (using 0 to 9 on the remote control).



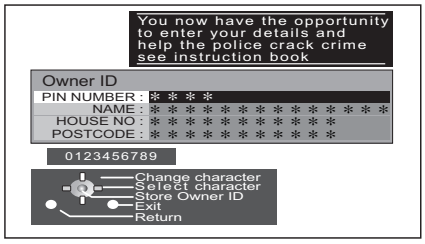


If a 4 digit **PIN NUMBER** was entered above, you will be taken automatically to the **NAME** line.

If not, move to the **NAME** line.

Change character.

Select character position.


You now have the opportunity to enter your details and help the police crack crime
see instruction book
Owner ID
PIN NUMBER : * * * *
NAME : * * * * * * * * * * * * * *
HOUSE NO : * * * * * * * * * * *
POSTCODE : * * * * * * * * * *
0123456789
Change character
Select character
Store Owner ID
Exit
Return

Repeat above until **NAME, HOUSE NUMBER** and **POSTCODE** are entered.

Press the **OK** button to store the details.
Press again when you are asked, “Are you sure?”.

For future reference,
write your **PIN NUMBER** here :

_____ _____ _____ _____

Aspect Controls

The Widescreen TV will allow you to enjoy viewing the picture at its optimum size and aspect, including widescreen cinema format pictures.

Press the **ASPECT** button repeatedly to move through the aspect options:

16:9, **14:9, Just**, **4:3**, **Zoom1**, **Zoom2** and **Zoom3**

OR

Press the **ASPECT** button. Whilst the on screen selector keys are displayed, use the **Red** or **Green** buttons to move in either direction through the aspect options.

Note:
This is not available for 720p and 1080i signals input.
Aspect is fixed to 16:9.

16 : 9

16:9 will display a true 16:9 (anamorphic) picture with no aspect distortions. Signals in the 4:3 format will be stretched to fit the picture.

16 : 9

14 : 9

14:9 will display a 14:9 picture at its standard 14:9 size without any stretching.

14 : 9

Just

Use **Just** when you wish to expand a 4:3 picture to fill the whole screen (rather than watching a programme with black stripes down the left and right sides of the picture).
The 4:3 picture will be stretched horizontally so that the image fills the screen, this is done in such a way that the stretching is only obvious at the left and right edges of the screen.

Just

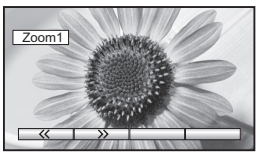
4 : 3

4:3 will display a 4:3 picture at its standard 4:3 size with no aspect distortions.

4 : 3

Zoom1

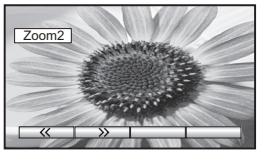
Zoom1 allows you to magnify the picture.



Zoom1

Zoom2

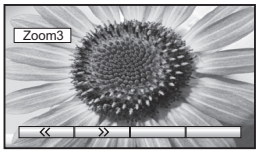
Zoom2 will display 16:9 anamorphic letterbox pictures as a full screen display with no aspect distortions.



Zoom2

Zoom3

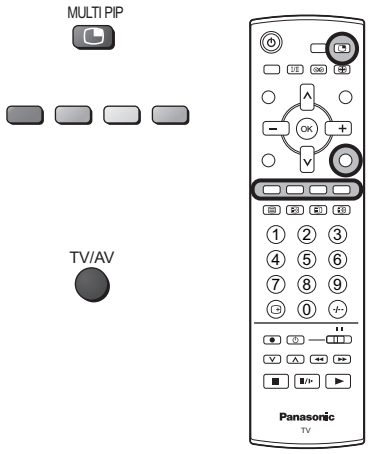
Zoom3 will display 21:9 letterbox pictures as a full screen display with no aspect distortions.
16:9 will display the picture at its maximum size but with slight stretching.



Zoom3

Multi window

Press the **MULTI PIP** button. Whilst the on screen selector keys are displayed, use the **Red** or **Green** buttons to move between the **PIP** (Picture in picture), **POP** (Picture out of picture) and **PAP** (Picture and picture) feature.
Press the **Blue** button to swap the contents of the two windows.
The on screen selector keys that appear for the features clear after a few seconds. If you want to select an operation when the keys are not shown, press the **MULTI PIP** button again and the keys will reappear.
Press the **MULTI PIP** button (whilst the selector keys are displayed) to return to normal viewing.



Notes:
- This operation cannot be made during progressive or HD signal input (Y, P_B/C_B, P_R/C_R).
- This TV has one tuner. When the main and sub windows are both TV mode, these are the same TV channel.

Changing the channels

- **Main window**
  Press the Programme Number button on the remote control.

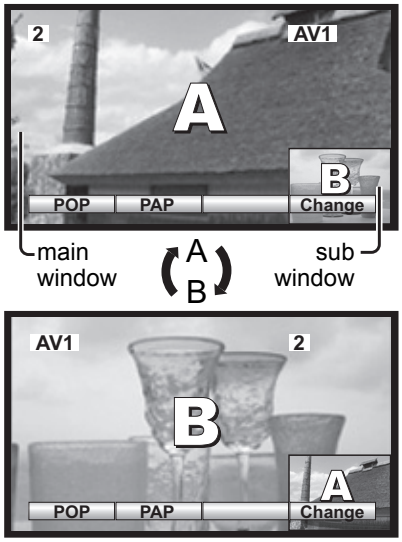
- **Sub window**
  Press the **MULTI PIP** button. Whilst the on screen selector keys are displayed, press the Programme Number button on the remote control.

Changing the mode

- **Main window**
  Press the **TV/AV** button to switch between the TV and AV mode.
  During the AV mode, press any coloured button. Whilst the on screen selector keys are displayed, press coloured button to select the AV source.

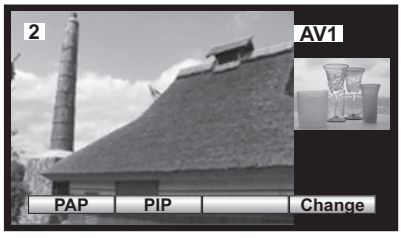
- **Sub window**
  Press the **MULTI PIP** button. Whilst the on screen selector keys are displayed, press the **TV/AV** button to switch between the TV channel and all AV sources in turn.

Picture in picture mode

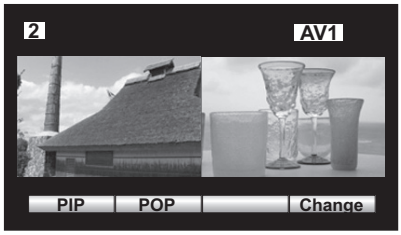


Press the **Blue** button.
Each time the main window and the sub window are swapped.

Picture out of picture mode



Picture and picture mode



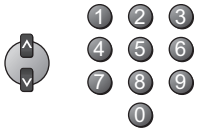
Teletext operation

- Teletext features may vary depending on the Broadcasting Companies and is only available if the channel selected is transmitting Teletext.
- Pressing the **MENU** button whilst in Teletext operation will display the contrast function with a cyan bar, press the left and right cursor buttons to alter the setting as required.
- Pressing the **MENU** button whilst in Teletext operation will display special function options at the bottom of the screen.
- Pressing the **MENU** button whilst in Teletext operation will display the volume function with a green bar, press the left and right cursor buttons to alter the setting as required.

What is List mode?
In List mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory.

What is TOP mode?
In TOP mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information on the subjects shown.

TV / Teletext mode
Press the **TV/TEXT** button to switch between the current programme and teletext.

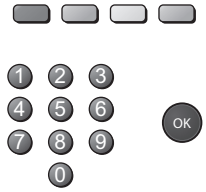


Page Selection
Pages can be selected in two ways:
a. Press the Up / Down cursor buttons to increase or decrease the page number by one.
b. By entering the page number, using 0 - 9 on the remote control.

Full / Top / Bottom
Press the **MENU** button to display special functions, followed by the **Green** button.
Press the **Green** button again to expand the BOTTOM half.
Press again to return to normal (FULL) size.

Reveal
Press the **MENU** button to display special functions, followed by the **Red** button to reveal hidden words e.g., quiz page answers. Press again to hide.

Red / Green / Yellow / Blue buttons
In TOP mode they correspond to the differently coloured subjects.
In List mode they correspond to the differently coloured page numbers.



List Store
In List mode the four page numbers can be altered (programme positions 1 - 25 only).
To do this, press one of the four coloured buttons and enter the new page number.
Press and hold the **OK** button, the page numbers will change to white indicating that the page is stored.

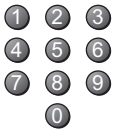
HOLD
To hold the Teletext page when viewing multi-page information.
Press again to return to automatic page update.

Teletext operation

It is not possible to change the programme position when in News flash, Update or Sub Coded Page Access operation.

Favourite Page (F.P.)
Stores a favourite page in memory for instant recall. To store such a page, the TV must be in List mode, and the programme position must be from 1 - 25.
Press the **Blue** button, select the page number, then press and hold the **OK** button. The page number is now stored.
Press the **F.P.** button to recall this page.

Update Display
Press the **MENU** button to display special functions, followed by the **Yellow** button to view the TV picture whilst searching for a Teletext page (this is not necessary in Picture and text mode, as the picture is displayed on the left of the screen). When found, the screen will display the page number at the top left. Press the **Yellow** button to view the page.
Press the **TV/TEXT** button again to return to normal TV operation.
News Flash
When a news flash page has been selected, press the **MENU**, **Yellow** buttons, to view the TV picture. When an update is received, the page number will be displayed on screen.
Press the **Yellow** button to display the News Flash.
Press the **TV/TEXT** button to return to normal TV operation.
Update
Press the **MENU**, **Yellow** buttons to see the update of information on certain pages.
When an update is received, the page number will be displayed at the top left of the screen.
Press the **Yellow** button to view the page.
Press the **TV/TEXT** button to return to normal TV operation.



Accessing sub pages
When Teletext information exceeds one page, it may take some time for the automatic changing of the sub pages to reach the sub page you require. As each sub page is found its number is displayed at the top of the page so that you may select it; as more sub pages are picked up, the display at the top of the page changes, so that you are always offered the most recently transmitted selection of sub pages.

In Teletext operation, use the following procedure to access sub pages:

If the sub page you want to look at is not yet available, press the **MENU** button (to display special functions) followed by the **Yellow** button to view the TV picture whilst waiting for more sub pages to be found. The sub pages found will be displayed across the top of the screen.

When the sub page you are waiting for is available press the **Yellow** button to return to viewing the Teletext pages, then use the left and right cursor buttons to select the sub page of your choice.
The maximum number for sub page that can be entered is restricted to 79 by broadcasters.
Notes:
- If you do not want to display the on screen selector keys on the TV picture whilst waiting for a sub page to be found, press the **MENU** button to clear the keys from the screen. Press again to redisplay the keys.
- If you have cleared the special function keys from the screen and then used the left and right cursor buttons to select a sub page, whilst still viewing the TV picture, you must press the **MENU** button then the **Yellow** button to display the Teletext page again.
- If the top of the page indicates that sub pages are being transmitted but the page displayed never changes, then the 'sub page number' is there to show the page contents have been updated, there are no sub pages.

Teletext operation

MENU

Blue

Alternatively, if you know which sub page you require, press the **MENU** button (to display special functions) followed by the **Blue** button; T**** will be displayed where the page number is normally found.
Enter desired sub page number before the T**** disappears.
e.g., to select page 6 enter 0, 0, 0 and 6.
Press the **Yellow** button to view the TV picture whilst waiting for more sub pages to be found. The sub pages found will be displayed across the top of the screen.
When the page is available, press the **Yellow** button to view the page. Regardless of how many pages are found, pressing the **Yellow** button will take you to the sub page which you requested.

Press the **TV/TEXT** button to return to normal TV operation.

INDEX

INDEX
When in TOP operation
Press the **INDEX** button to return to the main index page.
Depending on the way information is transmitted, this may have to be pressed more than once to return to the main index page.

TV/TEXT

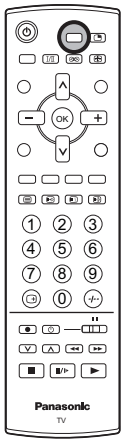
MULTI PIP

Picture and text
Press the **TV/TEXT** button, followed by the **MULTI PIP** button to move between viewing teletext and the Picture and text mode.
Picture and text mode lets you see the current programme and a page of teletext side by side. Whilst using this feature, the remote control affects the teletext page; if you wish to make changes to the programme viewed press the **TV/TEXT** button to return to watching the programme on its own then make the desired changes.

Still

Press the **STILL** button to freeze the picture.
Press again to return to watching the current programme.

STILL



Stereo / Bilingual Sound Selection

When you receive the stereo / bilingual sound system, sound output modes can be selected by pressing the **Stereo / Bilingual Sound Selection** button.

Audio Signal	STEREO	MAIN Ⅰ	SUB Ⅱ	MONO
Mode Indicator	◯◯	Ⅰ	Ⅱ	▽

NICAM .....Used in New Zealand, Singapore, Hong Kong etc.

Type of broadcast	Regular broadcast (Standard Audio)	Regular + NICAM MONO Ⅰ (MAIN Ⅰ)	NICAM STEREO	NICAM DUAL MONO (MAIN Ⅰ / SUB Ⅱ)
Mode Indicator	No Indicator ⟷ ▽	Ⅰ ⟷ ▽	◯◯ ⟷ ▽	Ⅰ → Ⅱ → ▽ → Ⅰ

A2(German) .....Used in Australia, Malaysia etc.

Type of broadcast	Regular broadcast (Standard Audio)	BILINGUAL or DUAL MONO: MAIN Ⅰ / SUB Ⅱ	STEREO
Mode Indicator	No Indicator ⟷ ▽	Ⅰ ⟷ Ⅱ	◯◯ ⟷ ▽

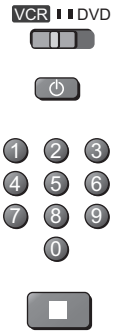
Notes:
- If the stereo signal is poor or the receiving conditions are not optimum or if STEREO:MONO automatic switching occurs, it is recommended you switch from STEREO to MONO.
- Even when the contents of the receiving signal undergo changes, selection mode is kept intact.
- When the receiving conditions deteriorate, listening will be easier if the mode is set to the MONO position, using the stereo / bilingual sound selection button.
- DUAL, also known as DUAL MONO or as BILINGUAL is not currently transmitted in some countries.

Remote control setting

Remote Control Operation is possible for the Panasonic VCR's and DVD's equipment.
After completion of setting, execute the various operations after pressing the VCR / DVD selection switch.

Switch to select VCR or DVD.

While pressing the VCR / DVD Power button, press the manufacturer code (enter the two digit code), and press the VCR / DVD Stop button.



VCR

Manufacturer	Code
Panasonic/ National	10,11,12,13

DVD

Manufacturer	Code
Panasonic	70, 71

Notes:
- After setting, execute operation confirmation. If there is no operation, set a different code.
- The respective VCR / DVD code is cancelled when battery has been exchanged. Please set it again.
- Depending on the model, operation may not be possible.
- In some cases, new products may not be operative.

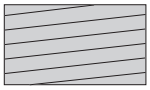
VCR / DVD operation

The Remote Control is capable of operating some functions of selected Panasonic VCRs and DVD (Digital Versatile Disc) equipment. Some VCR and DVD equipment have different functions, so to ensure compatibility please refer to the equipment's instruction book or consult your dealer for details.

	Standby Press to switch the VCR, DVD or DVD recorder to Standby mode. Press again to switch back on.
VCR DVD	**VCR** / **DVD switch** Use this switch to select whether controls operate the DVD equipment or VCR.
	Play Press to playback the tape or DVD.
	Stop Press to stop the tape or DVD.
	Search / **Fast Forward** / **Cue** VCR: Press to fast forward the tape. In Play mode, press to view the picture rapidly forward (Cue). When fast forwarding the tape, the picture noise may occur. DVD: Press for slow-motion play. Press and hold to search forward.
	Search / **Rewind** / **Review** VCR: Press to rewind the tape. In Play mode, press to view the picture rapidly in reverse (Review). DVD: Press for slow-motion play. Press and hold to search backward.
	Pause / **Still** Press in Play mode, the picture will pause. Press again to restart play.
	Programme Up, **Down** / **Skip** VCR: Press to increase or decrease the programme position by one. DVD: Press to skip the track or title.
REC	**Record** Press this button to start recording.

Troubleshooting

If there is a problem with your TV, please refer to the table below to determine the symptoms, then carry out the suggested check. If this does not solve the problem, please contact your local Panasonic dealer, quoting the model number and serial number (both found on the rear of the TV).

Symptoms		Checks
Picture	**Sound**	
Snowy Picture	Noisy Sound	Aerial location, direction or connection
Multiple Images	Normal Sound	Aerial location, direction or connection
Interference	Noisy Sound	Electrical appliances Cars / Motorcycles Fluorescent lights Switch on D.PNR in Picture menu to reduce picture noise.
Normal Picture	No Sound	Volume level Sound mute switched on.
No Picture	No Sound	TV set to AV mode. Not plugged into AC outlet. Not switched on. Picture / Sound controls set at minimum levels. Check if in Standby mode.
No Colour	Normal Sound	Colour controls set at minimum levels. Colour System
 Poor or Distorted Picture	Weak or No Sound	Retune Channel (s).
Normal Picture	Weak or Distorted Sound	Sound reception may have deteriorated. Sound System

CAUTION:

Symptoms	Check
Some parts of the screen do not light up.	The plasma TV panel is manufactured using an extremely high level of precision technology, however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a malfunction.
After-images appear	Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the Plasma TV. Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode. With no signal present, and without any user operation, the Panasonic screensaver will appear automatically after a few minutes to prevent image retention. **Note:** The permanent after-image on the Plasma TV resulting from fixed image use is not an operating defect and as such is not covered by the Warranty. This product is not designed to display fixed images for extended periods of time.

Sleep Feature

If the set is not switched off when the TV station stops transmitting, it will automatically go to standby mode after 30 minutes. This function will not operate when this TV is in AV mode.

Notes:

- External surfaces of the unit may become hot during operation. But this is completely normal.
- See label on the base of this equipment for ratings and other information.

Component signal that can be displayed

Applicable input signal for Component (Y, P_B/C_B, P_R/C_R)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
480i (60 Hz)	15.73	59.94
480p (60 Hz)	31.47	59.94
576i (50 Hz)	15.63	50.00
576p (50 Hz)	31.25	50.00
720p (50 Hz)	37.50	50.00
720p (60 Hz)	45.00	60.00
1,080i (50 Hz)	28.13	50.00
1,080i (50 Hz)*	31.25	50.00
1,080i (60 Hz)	33.75	60.00

* Based on SMPTE295M standard

Note:
Signals other than above may not be displayed properly.

Specifications

			TH-42PA50A
Power Source			AC 220-240 V, 50 / 60 Hz
Power Consumption			Average use : 315 W Standby condition : 0.3 W
Plasma Display panel			
	Drive method		AC type
	Aspect Ratio		16:9
	Contrast Ratio		4000:1
	Screen size (Number of pixels)		42-inch (106 cmV)
			920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)
			408,960 (852 (W) × 480 (H)) [2,556 × 480 dots]
Sound			
	Speaker		12 cm × 6 cm × 2 pcs, 6 Ω
	Audio Output		16 W (8 W + 8 W), 10% THD
Applicable signals			
	Colour System		NTSC, PAL, PAL60, SECAM, Modified NTSC
	Scanning format		480i(60Hz), 480p(60Hz), 576i(50Hz), 576p(50Hz), 720p(50Hz), 720p(60Hz), 1080i(50Hz), 1080i(60Hz)
Receiving Systems / Band name			1. PAL B/G — Reception of Off air broadcasts 2. NTSC 4.43 / 3. NTSC 3.58 / 4. PAL 60Hz — Playback from Video Tape Recorders / Playback from Special Video Tape Recorders and Special Video Disc Players (Via the AV Sockets)only.
Receiving Channels			VHF 0 to 12 / UHF 21 to 69 / S'1 to S'3 / S1 to S41 — PAL B / PAL G / HYPER TUNER (One tuner)
Aerial - Rear			UHF / VHF
Operating Conditions			Temperature : 0 °C - 40 °C Humidity : 20 % - 80 % RH (non-condensing)
Connection Terminals			
	AV1 Input	**AUDIO L - R**	RCA PIN Type × 2 — 0.5 Vrms
		VIDEO	RCA PIN Type × 1 — 1.0 Vp-p (75 Ω)
		S VIDEO	MINI DIN 4-pin — Y:1.0 Vp-p (75 Ω) C:0.286 Vp-p (75 Ω)
	AV2 Input	**AUDIO L - R**	RCA PIN Type × 2 — 0.5 Vrms
		VIDEO	RCA PIN Type × 1 — 1.0 Vp-p (75 Ω)
		COMPONENT	Y — 1.0 Vp-p (including synchronization) P_B/C_B, P_R/C_R — ±0.35 Vp-p
	AV3 Input	**AUDIO L - R**	RCA PIN Type × 2 — 0.5 Vrms
		VIDEO	RCA PIN Type × 1 — 1.0 Vp-p (75 Ω)
		COMPONENT	Y — 1.0 Vp-p (including synchronization) P_B/C_B, P_R/C_R — ±0.35 Vp-p
	Output	**AUDIO L - R**	RCA PIN Type × 2 — 0.5 Vrms (high impedance)
		VIDEO	RCA PIN Type × 1 — 1.0 Vp-p (75 Ω)
Dimensions (W × H × D)			1,068 mm × 701 mm × 97 mm
Weight			33.0 kg Net

Note:
Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARRANTY - Australia only

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or it's Authorised Service Centre will perform necessary service on the product without charge for parts or labour if, in the opinion of Panasonic, the product is found to be faulty within the warranty period.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or it's territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
   (a) Video or Audio Tapes
   (b) Video or Audio Heads and Stylii resulting from wear and tear in normal use
   (c) Shaver Heads or Cutters
   (d) Cabinet Parts
   (e) User replaceable Batteries
   (f) Thermal Paper, Toner/Ink Cartridges, Drums, Developer, Film (Ink/Ribbon), Film Cartridge, Printer Heads
   (g) Microwave Oven cook plates.
   (h) Kneader mounting shaft unit (bread bakery)
5. If warranty service is required you should:
   - Telephone Panasonic's Customer Care Centre on 132600 or visit our website and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
   - Send or bring the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
   - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
     (a) Picture tube (CRT) based Television Receivers (screen sizes greater than 66cm); Rear Projection TV's; Plasma/LCD televisions / displays (screen size greater than 103 cm)
     (b) Convection/Combination Microwave Ovens
     (c) Whiteboard (except portable type)
6. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

Unless otherwise specified to the consumer the benefits conferred by this express warranty are additional to all other conditions, warranties, guarantees, rights and remedies expressed or implied by the *Trade Practices Act 1974* and similar consumer protection provisions contained in legislation of the States and Territories and all other obligations and liabilities on the part of the manufacturer or supplier and nothing contained herein shall restrict or modify such rights, remedies, obligations or liabilities. *November 2005*

THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

If you require assistance regarding warranty conditions or any other enquiries, please visit the Panasonic Australia website

www.panasonic.com.au or by phone on 132 600

If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited
ACN 001 592 187 ABN 83 001 592 187

Locked Bag 505, Frenchs Forest, NSW 2086
www.panasonic.com.au

PRO-031-F01 Issue: 3.0 **23-11-2005**

WARRANTY - New Zealand only

WE WARRANT that the Panasonic Television that you have purchased is free from defects in material and workmanship under normal home use and service.

Accordingly, we undertake to repair, or at our option, replace without cost to the owner, either for material or labour, any part which within 12 months from the date of delivery is found to be defective, provided that the appliance has been used for domestic purposes only and in accordance with the instructions given in the Instruction Book and not been subjected to misuse, neglect or installed, dismantled, repaired or serviced by any other than an authorised Panasonic New Zealand Dealer or Panasonic New Zealand Authorised Service Centre.

NOTE

- Before reporting a fault, please ensure that you read the item "Troubleshooting" in the information section of your Panasonic Instruction Book.
- It is important to retain your proof of purchase as this will be required by the serviceman or retailer as proof of purchase date, should service be required.
- In the event of service being required, contact your Panasonic New Zealand retailer or Panasonic New Zealand Authorised Service Centre.

IMPORTANT

Any request for warranty service must be through an Authorised Panasonic New Zealand Service Centre who during the period of the warranty, undertakes to make any necessary adjustment and fit any replacement part supplied by the manufacturer, during normal working hours, or alternatively will arrange for such service to be provided by some other Panasonic New Zealand Authorised Service Centre.

NEW ZEALAND

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Customer Care Center

Email: Customerservice@panasonic.co.nz

www.panasonic.co.nz

Customer's Record
The model number and serial number of this product can be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number Serial Number

Matsushita Electric Industrial Co., Ltd.

Web Site : http://www.panasonic.co.jp/global/

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